

PATENT ABSTRACTS OF JAPAN

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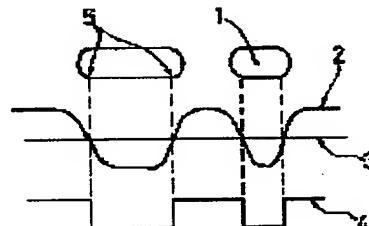
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(54) OPTICAL INFORMATION RECORDING MEDIUM AND COMPOSITION FOR OPTICAL INFORMATION RECORDING MEDIUM

(57)Abstract:

PURPOSE: To improve a deviation characteristic and jitter characteristic, to lower an error rate and to improve recording characteristics by incorporating a pit edge control agent for formed pits into a recording layer.

CONSTITUTION: The surface of a transparent substrate is successively provided with the recording layer consisting of org. dye capable of writing information by a laser beam, a reflection layer and a protective layer. The control agent for the pit edges 5 of the formed recording pits 1 is incorporated into the recording layer. A thermal decomposition agent of dyestuff is incorporated therein as the pit edge control agent. Further, a metal compd. is incorporated therein as thermal decomposition accelerator in the recording layer. More preferably, a metal compd. having substantially no absorption in a recording laser wavelength area is used as the metal compd. The containing of the metal compd. soluble in the film forming solvent in the org. dyestuff is specified as the metal compd. having substantially no absorption in the recording laser wavelength area in the recording layer of such optical information recording medium that the recording layer consisting of the org. dyestuff is formed by a coating application method.



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